

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121419\
 Data File : VV014060.D
 Acq On : 13 Dec 2019 18:38
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050842

Quant Time: Dec 14 05:39:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 14 05:36:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	368006	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	343063	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	181479	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	95664	47.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.12%
7) Chloroethane-d5	1.57	69	94382	66.10	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	132.20%#
11) 1,1-Dichloroethene-d2	2.13	63	192643	55.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.48%
21) 2-Butanone-d5	3.92	46	162802	111.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.07%
24) Chloroform-d	4.39	84	222138	44.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.02%
26) 1,2-Dichloroethane-d4	5.07	65	137115	42.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.58%
32) Benzene-d6	5.09	84	433814	43.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.88%
36) 1,2-Dichloropropane-d6	6.11	67	133426	46.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.32%
41) Toluene-d8	7.35	98	386922	40.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.30%
43) trans-1,3-Dichloropropene-	7.66	79	58806	36.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.34%
47) 2-Hexanone-d5	8.13	63	99141	83.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.48%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	173048	42.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.86%
66) 1,2-Dichlorobenzene-d4	11.67	152	162954	38.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.36%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	140745	54.148	ug/L	100
3) Chloromethane	1.25	50	155149	84.062	ug/L	96
5) Vinyl chloride	1.32	62	144293	80.996	ug/L	98
6) Bromomethane	1.51	94	77755	75.179	ug/L	100
8) Chloroethane	1.59	64	85903	92.072	ug/L	99
9) Trichlorofluoromethane	1.76	101	192785	66.557	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	111797	78.735	ug/L	95
12) 1,1-Dichloroethene	2.14	96	107533	80.426	ug/L	85
13) Acetone	2.18	43	143870	143.962	ug/L	97
14) Carbon disulfide	2.31	76	279843	61.936	ug/L	99
15) Methyl Acetate	2.45	43	133179	76.164	ug/L	93
16) Methylene chloride	2.53	84	128409	63.298	ug/L	93
17) trans-1,2-Dichloroethene	2.79	96	111098	58.846	ug/L	94
18) Methyl tert-butyl Ether	2.80	73	354075	54.580	ug/L	96
19) 1,1-Dichloroethane	3.23	63	214961	62.435	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	127127	57.168	ug/L	88
22) 2-Butanone	4.00	43	185897	144.338	ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.29	128	68635	56.129	ug/L #	86
25) Chloroform	4.42	83	220361	56.465	ug/L	98
27) 1,2-Dichloroethane	5.17	62	166963	55.045	ug/L	96
29) Cyclohexane	4.72	56	179871	62.702	ug/L	93
30) 1,1,1-Trichloroethane	4.65	97	188902	51.836	ug/L	98
31) Carbon tetrachloride	4.87	117	168334	49.791	ug/L	98
33) Benzene	5.14	78	480802	60.883	ug/L	100
34) Trichloroethene	5.96	95	128848	58.701	ug/L	99
35) Methylcyclohexane	6.17	83	177389	54.297	ug/L	91
37) 1,2-Dichloropropane	6.22	63	121411	63.031	ug/L	100
38) Bromodichloromethane	6.55	83	163412	53.927	ug/L	100
39) cis-1,3-Dichloropropene	7.06	75	182518	53.745	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	322483	130.080	ug/L	96
42) Toluene	7.43	91	494062	56.304	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	158943	49.581	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	117311	56.498	ug/L	97
46) Tetrachloroethene	8.01	164	105295	51.486	ug/L	95
48) 2-Hexanone	8.18	43	248280	132.839	ug/L	98
49) Dibromochloromethane	8.29	129	133868	49.683	ug/L	98
50) 1,2-Dibromoethane	8.39	107	122432	53.317	ug/L	98
51) Chlorobenzene	8.92	112	317952	53.743	ug/L	99
52) Ethylbenzene	9.05	91	522554	53.074	ug/L	99
53) m,p-Xylene	9.18	106	203237	53.509	ug/L	92
54) o-Xylene	9.58	106	200371	53.163	ug/L	97
55) Styrene	9.60	104	347675	54.759	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.28	83	165779	51.919	ug/L	99
59) Bromoform	9.77	173	102372	48.090	ug/L	98
60) Isopropylbenzene	9.97	105	518256	52.166	ug/L	100
61) 1,2,3-Trichloropropane	10.31	75	148769	60.369	ug/L	98
62) 1,3,5-Trimethylbenzene	10.58	105	419383	48.831	ug/L	98
63) 1,2,4-Trimethylbenzene	10.96	105	420343	49.588	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	259276	51.724	ug/L	98
65) 1,4-Dichlorobenzene	11.31	146	257608	50.843	ug/L	99
67) 1,2-Dichlorobenzene	11.68	146	266496	52.106	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.47	75	33992	41.854	ug/L	96
69) 1,3,5-Trichlorobenzene	12.69	180	198491	48.848	ug/L	99
70) 1,2,4-trichlorobenzene	13.31	180	159437	45.253	ug/L	98
71) Naphthalene	13.55	128	384198	43.025	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	176348	49.738	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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